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Application No.: 09/628,880  
Filed: July 31, 2000  
TC Art Unit: 2151  
Confirmation No.: 4970AMENDMENTS TO THE CLAIMS

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1. (currently amended) A method ~~for~~ of enabling information associations, said method being performed in conjunction with on  
at least one client computersystem and at least one server  
system, said method comprising the steps of:

~~on the client computer,~~ in a parsing step, parsing, on one of  
said client system and said server system, data contained within a  
document, to identify said document including a number of objects  
included in said document;

in an accessing step, accessing, from at least one database,  
information related to those of said objects in said document for  
which related information is available;

~~on the client computer, forming a list of those of said~~  
~~objects for which related information is available~~

in a first displaying step, displaying, on a display of said  
client system, and presenting at least a portion of those of said  
objects for which related information is available~~said list to a~~  
~~user;~~

~~on the client computer,~~ in a detecting step, detecting, on  
said client system, a selection of one of said objects displayed  
on said display in said list by said a user,

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~~searching a database for information regarding said selected one of said objects in said list; and~~

~~on the client computer, in a second displaying step, displaying, on said display, information from said at least one database related-related to said selected one of said objects in said list to said user.~~

2. (currently amended) The method of claim 1, wherein said first displaying step comprises displaying said document including said objects, and further comprising providing visual indication indications to said user of at least a portion of those of said objects in said document within said list for which related information is available.

3. (currently amended) The method of claim 1, further comprising:

detecting an operation in which said document is being loaded into by an application program; and

wherein said accessing step comprises comparing said objects within said document with entries in said at least one database, said accessing step being performed in response wherein said forming of said list of said objects for which related information

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~~is available is responsive to said detecting of said operation in which said document is being loaded ~~into~~ by said application program, and wherein said forming of said list comprises comparing objects within said document with entries in a dictionary data structure.~~

4. (currently amended) The method of claim 3, wherein said accessing step ~~forming of said list~~ further comprises accessing, from said at least one database, information related to at least one of said objects within said document ~~including one of said objects within said document in said list~~ in the event that said at least one of ~~object~~ said objects within said document matches at least one of said entries in said at least one ~~database~~ dictionary.

5. (currently amended) The method of claim 3, wherein said loading of said document ~~in~~ teby said application program comprises downloading of said document onto a ~~local~~ said client system using a browser program.

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6. (original) The method of claim 3, wherein said loading of said document into said application program comprises loading said document into a word processor program.

7. (original) The method of claim 3, wherein said loading of said document into said application program comprises loading said document into an email program.

8. (currently amended) The method of claim 1, wherein said information from said at least one database related to said selected one of said objects ~~in said list~~ comprises at least one indication of at least one related resource, and further comprising:

detecting a selection of said indication of said at least one related resource by said user; and

outputting content associated with said at least one related resource in response to said detecting said selection of said indication of said at least one related resource.

9. (currently amended) The method of claim 8, wherein said at least one indication of said at least one related resource

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comprises ~~a~~ at least one uniform resource locator associated with  
said at least one related resource.

10. (currently amended) The method of claim 8, wherein said at  
least one related resource from said ~~data-base~~ at least one  
database comprises streaming audio information.

11. (currently amended) The method of claim 8, wherein said at  
least one related resource from said ~~data-base~~ at least one  
database comprises streaming video information.

12. (currently amended) The method of claim 1, further  
comprising:

in a monitoring step, monitoring user activities on a ~~local~~  
system said at least one client system, said user activities  
indicating levels of interest of whether a ~~at least one~~ user of  
said ~~local system~~ at least one client system is interested in said  
document objects included in said document;

determining a ~~at least one~~ rating of at least one of said  
document, said objects, and said information related to said  
objects in response to said monitoring of said user activities on  
said ~~local system~~ at least one client system; and

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storing said at least one rating of said document in association with at least one of said at least one user, said document, said objects, and said information related to said objects, wherein said at least one rating determines, at least in part, a likelihood that said document will be displayed in response to a search of said database can be applied to future requests for information related to said objects.

13. (currently amended) A computer program product including a computer readable medium, said computer readable medium having program code stored thereon, said program code comprising:

program code for parsing, on one of a at least one client computersystem and at least one server system, data contained within a document, to identify said document including a number of objects included in said document;

program code for accessing, from at least one database, information related to forming, on the client computer, a list of those of said objects in said document for which related information is available; and

first program code for presenting-displaying, on a display of said client system, at least a portion of those of said objects for which related information is availablelist to a user;

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program code for detecting, on ~~the~~ said client ~~computer~~system, a selection of one of said objects displayed on said display in said list by said a user;

~~program code for searching a database for information regarding said selected one of said objects in said list; and~~

second program code for displaying, on ~~the~~ said client ~~computer~~display, information from said at least one database ~~related~~ related to said selected one of said objects ~~in said list~~ to said user.

14. (currently amended) The computer program product of claim 13, wherein said first program code for displaying comprises further comprising program code for displaying said document including said objects, and providing visual indication ~~indications~~ to said user of at least a portion of those of said object in said document within said list objects for which related information is available.

15. (currently amended) The computer program product of claim 13, further comprising:

program code for detecting an operation in which said document is being loaded into ~~by~~ an application program; and

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wherein said program code for accessing comprises comparing said objects within said document with entries in said at least one database, said program code for accessing being executed in response ~~wherein said program code for forming said list of said objects for which related information is available is responsive to an execution of said program code for detecting said operation in which said document is being loaded into by an said application program, and wherein said forming of said list comprises comparing objects within said document with entries in a dictionary data structure.~~

16. (currently amended) The computer program product of claim 15, wherein said program code for forming accessing said list further comprises program code for accessing, from said at least one database, information related to at least one of said objects within said document including one of said objects in said document in said list in the event that said at least one of said objects ~~in within~~ said document matches at least one of said entries in said ~~dictionary~~ at least one database.

17. (currently amended) The computer program product of claim 15, wherein said program code for detecting said operation in which



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said document is loaded into said application program comprises  
program code for detecting downloading of said document onto a  
~~local~~said client system through a browser program.

18. (original) The computer program product of claim 15, wherein  
said program code for detecting said operation in which said  
document is loaded into said application program comprises program  
code for detecting loading of said document into a word processor.

19. (original) The computer program product of claim 15, wherein  
said program code for detecting said operation in which said  
document is loaded into said application program comprises program  
code for detecting loading of said document into an email program.

20. (currently amended) The computer program product of claim 13,  
wherein said information from said at least one database related  
to said selected one of said objects ~~in said list~~ comprises at  
least one indication of at least one related resource, and further  
comprising:

program code for detecting a selection of said indication of  
said at least one related resource by said user; and

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program code for outputting content associated with said at least one related resource in response to said program code for detecting said selection of said indication of said at least one related resource.

21. (currently amended) The computer program product of claim 20, wherein said at least one indication of said at least one resource comprises a at least one uniform resource locator associated with said at least one related resource.

22. (currently amended) The computer program product of claim 20, wherein said related resource from said ~~data-base~~ at least one database comprises streaming audio information.

23. (currently amended) The computer program product of claim 20, wherein said related resource from said ~~data-base~~ at least one database comprises streaming video information.

24. (currently amended) The computer program product of claim 13, further comprising:

program code for monitoring user activities on a ~~local system~~ said at least one client system, said user activities

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indicating levels of interest of whether a at least one user of  
said local system at least one client system is interested in said  
document objects included in said document;

program code for determining a at least one rating of at  
least one of said document, said objects, and said information  
related to said objects in response to said monitoring of said  
user activities on said local system at least one client system;  
and

program code for storing said at least one rating of said  
document in association with at least one of said at least one  
user, said document, said objects, and said information related to  
said objects, wherein said at least one rating determines, at  
least in part, a likelihood that said document will be displayed  
in response to a search of said database can be applied to future  
requests for information related to said objects.

25. (currently amended) A computer data signal embodied in a  
carrier wave, said computer data signal including a computer  
program, said computer program comprising:

program code for parsing, on one of a at least one client  
computer system and at least one server system, data contained

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within a document, to identify said document including a number of objects included in said document;

program code for forming accessing, from at least one database, information related to, on the client computer, a list of those of said objects in said document for which related information is available; and for

presenting first program code for displaying, on a display of said client system, at least a portion of those of said objects for which related information is available said list to a user;

program code for detecting, on the said client computersystem, a selection of one of said objects displayed on said display in said list by said a user;

program code for searching a database for information regarding said selected one of said objects in said list; and

second program code for displaying, on the said client computerdisplay, information from said at least one database related related to said selected one of said objects in said list to said user.

26. (currently amended) A system for enabling information associations, comprising:

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~~a~~ at least one client computer system, said client computer system including a display;

~~a~~ at least one processor coupled to a at least one memory; and

an information association utility loaded in said at least one memory and executable on said at least one processor, said information association utility operable to:

~~parse, on the client computer,~~ data contained within a document, ~~to identify said document including a~~ number of objects included in said document;

~~form~~ access, from at least one database, information related to, ~~on the client computer, a list of those of~~ said objects in said document for which related information is available ~~and present said list to a user~~;

display, on said display, at least a portion of those of said objects for which related information is available;

~~detect, on the client computer,~~ a selection of one of said objects displayed on said display ~~in said list by said a user~~;

~~search a database for information regarding said selected one of said objects in said list; and~~

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display, on ~~the said client computer display~~, information from  
said at least one database ~~related-related~~ to said selected one of  
said objects ~~in said list to said user~~.

27. (currently amended) A computer data signal embodied in a  
carrier wave, said computer data signal including a computer  
program, said computer program comprising:

means for parsing, on one of a at least one client  
~~computersystem~~ and at least one server system, data contained  
within a document, to identify said document ~~including a number of~~  
objects included in said document;

means for ~~forming~~ accessing, from at least one database ~~seen the~~  
~~client computer~~, information related to a list of those of said  
objects in said document for which related information is  
available; ~~and for~~

~~presenting~~ means for displaying, on a display of said client  
system, said at least a portion of those of said objects for which  
related information is available ~~list to a user~~;

means for detecting, on ~~the said client computersystem~~, a  
selection of one of said objects displayed on said display in said  
~~list by said a user~~;

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~~means for searching a database for information regarding said selected one of said objects in said list; and~~

~~means for displaying, on the said client computer display, information from said at least one database related related to said selected one of said objects ~~in said list to said user.~~~~

28. (previously presented) The method of claim 1, wherein at least some of said objects comprise respective metadata.

29. (previously presented) The computer program product of claim 13, wherein at least some of said objects comprise respective metadata.

30. (previously presented) The system of claim 26, wherein at least some of said objects comprise respective metadata.

31. (new) The method of claim 1 further including determining said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said

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user, contextual analysis of said document, and related information associated with at least one of said objects.

32. (new) The method of claim 31 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

33. (new) The computer program product of claim 13 further including program code for determining said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said user, contextual analysis of said document, and related information associated with at least one of said objects.

34. (new) The computer program product of claim 33 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

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35. (new) The computer data signal of claim 25 wherein said computer program further includes program code for determining said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said user, contextual analysis of said document, and related information associated with at least one of said objects.

36. (new) The computer data signal of claim 35 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

37. (new) The system of claim 26 wherein said information association utility is further operable to determine said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said user, contextual analysis of said document, and related information associated with at least one of said objects.

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38. (new) The system of claim 37 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

39. (new) The computer data signal of claim 27 wherein said computer program further includes means for determining said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said user, contextual analysis of said document, and related information associated with at least one of said objects.

40. (new) The computer data signal of claim 39 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

41. (new) The method of claim 12 wherein at least one of said objects comprises at least one indication of at least one related

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resource, and wherein said monitoring step includes monitoring said user activities associated with said at least one related resource.

42. (new) The computer program product of claim 24 wherein at least one of said objects comprises at least one indication of at least one related resource, and wherein said program code for monitoring user activities includes program code for monitoring user activities associated with said at least one related resource.

43. (new) The method of claim 1 wherein said detecting step includes detecting said selection of said one of said objects displayed on said display by at least one of moving a cursor substantially over said one of said objects and leaving the cursor over said one of said objects for a predetermined amount of time, and clicking on said one of said objects.

44. (new) The computer program product of claim 13 wherein said program code for detecting a selection of one of said objects displayed on said display by said user includes program code for detecting said selection of said one of said objects by at least

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one of moving a cursor substantially over said one of said objects and leaving the cursor over said one of said objects for a predetermined amount of time, and clicking on said one of said objects.

45. (new) The system of claim 26 wherein said information association utility is operable to detect said selection of said one of said objects by at least one of moving a cursor substantially over said one of said objects and leaving the cursor over said one of said objects for a predetermined amount of time, and clicking on said one of said objects.

46. (new) A method of enabling information associations on at least one client system, comprising the steps of:

parsing data contained within a document to identify a number of objects included in said document;

accessing, from at least one database, information related to those of said objects included in said document for which related information is available; and

in a first displaying step, displaying, on a display of said client system, information accessed from said at least one

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database that is related to at least a portion of those of said objects for which related information is available.

47. (new) The method of claim 46 further including, in a second displaying step, displaying, on said display, said at least a portion of those of said objects for which related information is available.

48. (new) The method of claim 47 wherein said second displaying step includes displaying, on said display, said document including said objects in said document.

49. (new) The method of claim 48 wherein said second displaying step includes providing visual indications of said at least a portion of those of said objects in said document for which related information is available.

50. (new) The method of claim 49 wherein said visual indications include at least one of boldfacing, underlining, color-coding, and changing at least one of a format, font, and style of said at least a portion of those of said objects in said document for which related information is available.

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51. (new) The method of claim 46 further including determining said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said user, contextual analysis of said document, and related information associated with at least one of said objects.

52. (new) The method of claim 51 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

53. (new) A system for enabling information associations, comprising:

at least one client system including at least one display;

at least one processor coupled to at least one memory; and

an information association utility loaded in said memory and executable on said processor, said information association utility being operable to:

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parse data contained within a document to identify a number of objects included in said document;

access, from at least one database, information related to those of said objects included in said document for which related information is available; and

display, on said display, information accessed from said at least one database that is related to at least a portion of those of said objects for which related information is available.

54. (new) The system of claim 53 wherein said information association utility is operable to display, on said display, said at least a portion of those of said objects for which related information is available.

55. (new) The system of claim 54 wherein said information association utility is operable to display, on said display, said document including said objects in said document.

56. (new) The system of claim 55 wherein said information association utility is operable to provide, on said display, visual indications of said at least a portion of those of said

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objects in said document for which related information is available.

57. (new) The system of claim 56 wherein said visual indications include at least one of boldfacing, underlining, color-coding, and changing at least one of a format, font, and style of said at least a portion of those of said objects in said document for which related information is available.

58. (new) The system of claim 53 wherein said information association utility is further operable to determine said at least a portion of those of said objects for which related information is available based upon at least one of user profile information derived from past actions of said user, profile information provided by said user, preferences provided by said user, contextual analysis of said document, and related information associated with at least one of said objects.

59. (new) The system of claim 58 wherein said contextual analysis of said document includes extracting themes contained in at least one of said document and a history of documents recently downloaded onto said client system.

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60. (new) A method of enabling information associations on at least one client system, comprising the steps of:

loading at least one document on said at least one client system, said document including a number of objects;

monitoring activities of at least one user of said at least one client system, said activities indicating levels of interest of said at least one user in said objects included in said document;

determining at least one rating of at least one of said document, said objects, and information related to said objects in response to said monitoring of said activities of said at least one user of said at least one client system; and

storing said at least one rating in association with at least one of said at least one user, said document, said objects, and said information related to said objects,

whereby said at least one rating can be applied to future requests for information related to said objects by said at least one user of said at least one client system.

61. (new) A system for enabling information associations, comprising:

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at least one client system;

at least one memory; and

at least one processor operative to execute program code out of said at least one memory, said program code being operative to:

load at least one document on said at least one client system, said document including a number of objects;

monitor activities of at least one user of said at least one client system, said activities indicating levels of interest of said at least one user in said objects included in said document;

determine at least one rating of at least one of said document, said objects, and information related to said objects in response to monitoring of said activities of said at least one user of said at least one client system; and

store, in said at least one memory, said at least one rating in association with at least one of said at least one user, said document, said objects, and said information related to said objects,

whereby said at least one rating can be applied to future requests for information related to said objects by said at least one user of said at least one client system.

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